

REGION	SITE NUMBER (to be assigned by Hq)
6	TX 01643

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (Section II). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (EN-335); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME		B. STREET (or other identifier)	
Irving, City of - Senter Park Site		Senter municipal park of Delaware Creek	
C. CITY		D. STATE	E. ZIP CODE
Irving		Texas	75060
		F. COUNTY NAME	
		Dallas	
G. SITE OPERATOR INFORMATION			
1. NAME		2. TELEPHONE NUMBER	
City of Irving		(214) 253-2611	
3. STREET	4. CITY	5. STATE	6. ZIP CODE
825 W. Irving Blvd.	Irving	Texas	75060
H. REALTY OWNER INFORMATION (if different from operator of site)			
1. NAME		2. TELEPHONE NUMBER	
City of Irving		(214) 253-2611	
3. CITY	4. STATE	5. ZIP CODE	
825 W. Irving Blvd., Irving	Texas	75060	
I. SITE DESCRIPTION			
J. TYPE OF OWNERSHIP			
<input type="checkbox"/> 1. FEDERAL	<input type="checkbox"/> 2. STATE	<input type="checkbox"/> 3. COUNTY	<input checked="" type="checkbox"/> 4. MUNICIPAL
		<input type="checkbox"/> 5. PRIVATE	


II. TENTATIVE DISPOSITION *(complete this section last)*

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (mo., day, & yr.)		B. APPARENT SERIOUSNESS OF PROBLEM <input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input checked="" type="checkbox"/> 4. NONE	
C. PREPARER INFORMATION			
1. NAME Russell S. Dykes		2. TELEPHONE NUMBER (512) 477-9901	3. DATE (mo., day, & yr.) May 1, 1984

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION	
1. NAME Russell S. Dykes	2. TITLE Project Engineer
3. ORGANIZATION Engineering-Science, Inc., 2901 N. IH-35, Austin, TX 78722	4. TELEPHONE NO. (area code & no.) (512) 477-9901

B. INSPECTION PARTICIPANTS

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
		9830627
		

C. SITE REPRESENTATIVES INTERVIEWED (corporate officials, workers, residents)

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
Lawrence Baker, P.E.	Director of Environmental Services (214) 253-2611	825 W. Irving Blvd., Irving, TX 75060
Dill Waldroup	Sanitation Superintendent (214) 721-2432	128 N. Briery Rd., Irving, TX 75060
Pete Harman	City of Irving Sanitation Dept. phone unknown	address unknown
		SUPERFUND FILE
		MAY 01 1992
		REORGANIZED

III. INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (sources of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
Koppers Co. (formerly Andrew Brown Co.)	(214) 438-1913	801 Lee St., Irving, TX 75060	Paint and Paint Wastes

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED
See Attachment "A"			

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS
None		

G. DATE OF INSPECTION
(mo., day, & yr.) 5/01/84H. TIME OF INSPECTION
0950

I. ACCESS GAINED BY: (credentials must be shown in all cases)



1. PERMISSION



2. WARRANT

J. WEATHER (describe)

Partly cloudy, warm

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available. None Collected

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER			
b. SURFACE WATER			
c. WASTE			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER (specify)			

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.) None Made

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS

Continued From Page 2

IV. SAMPLING INFORMATION (continued)

C. PHOTOS

1. TYPE OF PHOTOS

☒ a. GROUND ☐ b. AERIAL

2. PHOTOS IN CUSTODY OF

Attached

D. SITE MAPPED?

☒ YES. SPECIFY LOCATION OF MAPSUSGS "Irving Texas"
SW/4 Carrollton 15 quad

E. COORDINATES

1. LATITUDE (deg.-min.-sec.)

32°47'40"

2. LONGITUDE (deg.-min.-sec.)

96°57'00"

V. SITE INFORMATION

A. SITE STATUS

☐ 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if infrequently.)☒ 2. INACTIVE (Those sites which no longer receive wastes.)☐ 3. OTHER (specify) _____
(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)

B. IS GENERATOR ON SITE?

☒ 1. NO ☐ 2. YES (specify generator's four-digit SIC Code): _____

C. AREA OF SITE (in acres)

Approx 1.0

D. ARE THERE BUILDINGS ON THE SITE?

☒ 1. NO ☐ 2. YES (specify) _____

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity(ies) and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL		1. PILE		1. FILTRATION	<input checked="" type="checkbox"/>	1. LANDFILL
	2. SHIP		2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK		4. TANK, ABOVE GROUND		4. RECYCLING/RECOVERY		4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS./TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER (specify):		6. OTHER (specify):		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER (specify)
					9. OTHER (specify):		

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

☐ 1. STORAGE ☐ 2. INCINERATION ☒ 3. LANDFILL ☐ 4. SURFACE IMPOUNDMENT ☐ 5. DEEP WELL

☐ 6. CHEM/BIO/PHYS TREATMENT ☐ 7. LANDFARM ☐ 8. OPEN DUMP ☐ 9. TRANSPORTER ☐ 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

☐ 1. LIQUID ☒ 2. SOLID ☐ 3. SLUDGE ☐ 4. GAS

B. WASTE CHARACTERISTICS

☐ 1. CORROSIVE ☐ 2. IGNITABLE ☐ 3. RADIOACTIVE ☐ 4. HIGHLY VOLATILE

☐ 5. TOXIC ☐ 6. REACTIVE ☐ 7. INERT ☐ 8. FLAMMABLE

☒ 9. OTHER (specify): unknown; waste believed to be almost entirely municipal

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

None

VII. WASTE RELATED INFORMATION (continued)

2. Estimate the amount (specify unit of measure) of waste by category, mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT Unknown	AMOUNT Unknown	AMOUNT Unknown	AMOUNT Unknown	AMOUNT Unknown	AMOUNT Unknown
UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
<input checked="" type="checkbox"/> (1) PAINT, PIGMENTS*	<input checked="" type="checkbox"/> (1) OILY WASTES	<input checked="" type="checkbox"/> (1) HALOGENATED SOLVENTS	<input checked="" type="checkbox"/> (1) ACIDS	<input checked="" type="checkbox"/> (1) FLYASH	<input checked="" type="checkbox"/> (1) LABORATORY PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER(specify):	(2) NON-HALOGENATED SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER(specify):	(3) CAUSTICS	(3) MILLING/MINE TAILINGS	(3) RADIOACTIVE
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMELTING WASTES	(4) MUNICIPAL
(5) OTHER(specify):			(5) DYES/INKS	(5) NON-FERROUS SMELTING WASTES	(5) OTHER(specify):
*possible (unconfirmed)			(6) CYANIDE	(6) OTHER(specify):	
			(7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			(11) OTHER(specify):		

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (place in descending order of hazard)

1. SUBSTANCE	2. FORM (mark 'X')			3. TOXICITY (mark 'X')				4. CAS NUMBER	5. AMOUNT	6. UNIT
	a. SOLID	b. LIQ.	c. VAPOR	a. HIGH	b. MED.	c. LOW	d. NONE			
Paints and paint wastes	X	X				X			unknown	

VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

☐ A. HUMAN HEALTH HAZARDS

VIII. HAZARD DESCRIPTION (continued)

☐ **B. NON-WORKER INJURY/EXPOSURE**

☐ **C. WORKER INJURY/EXPOSURE**

☐ **D. CONTAMINATION OF WATER SUPPLY**

☐ **E. CONTAMINATION OF FOOD CHAIN**

☐ **F. CONTAMINATION OF GROUND WATER**

☐ **G. CONTAMINATION OF SURFACE WATER**

Continued From Front

VIII. HAZARD DESCRIPTION (continued)

☐ H. DAMAGE TO FLORA/FAUNA

☐ I. FISH KILL

☐ J. CONTAMINATION OF AIR

☐ K. NOTICEABLE ODORS

☐ L. CONTAMINATION OF SOIL

☐ M. PROPERTY DAMAGE

VIII. HAZARD DESCRIPTION (continued)

☐ T. MIDNIGHT DUMPING

☐ U. OTHER (specify):

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE (specify units)
1. IN RESIDENTIAL AREAS	1800	1800	560	<1 mile
2. IN COMMERCIAL OR INDUSTRIAL AREAS	500	500	20	1-2 miles
3. IN PUBLICLY TRAVELLED AREAS	100000	100000	0	1-2 miles
4. PUBLIC USE AREAS (parks, schools, etc.)	3000	3000	2	<0.5 miles

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER (specify unit) 10-60 ft; 150-220 ft. [1]	B. DIRECTION OF FLOW S/SW(local; E/SE(regional))	C. GROUNDWATER USE IN VICINITY Irrigation
D. POTENTIAL YIELD OF AQUIFER <100gpm; 10-1170gpm [2]	E. DISTANCE TO DRINKING WATER SUPPLY (specify unit of measure)	F. DIRECTION TO DRINKING WATER SUPPLY
G. TYPE OF DRINKING WATER SUPPLY		
<input type="checkbox"/> 1. NON-COMMUNITY < 15 CONNECTIONS <input checked="" type="checkbox"/> 2. COMMUNITY (specify town): City of Irving > 15 CONNECTIONS		
<input type="checkbox"/> 3. SURFACE WATER <input checked="" type="checkbox"/> 4. WELL		

[1] Initial range given for static and natural water levels in the Eagle Ford aquifer; final value indicates static water level depth in Woodbine wells

[2] First value is gallons per minute yield from the Eagle Ford, and the final range depicts yield from Woodbine wells.

VIII. HAZARD DESCRIPTION (continued)

☐ N. FIRE OR EXPLOSION☐ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID☐ P. SEWER, STORM DRAIN PROBLEMS☐ Q. EROSION PROBLEMS☐ R. INADEQUATE SECURITY☐ S. INCOMPATIBLE WASTES

Continued From Page 8

X. WATER AND HYDROLOGICAL DATA (continued)**H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE**

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COM- MUNITY (mark 'X')	5. COMMUN- ITY (mark 'X')
None known although two wells used for irrigation which may be utilized as drinking wells also are located within a 0.25 mile radius.				

I. RECEIVING WATER

1. NAME Delaware Creek to Trinity River

☐ 2. SEWERS ☒ 3. STREAMS/RIVERS

☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

Segment 805, Trinity River, noncontact recreation

XI. SOIL AND VEGETATION DATA**LOCATION OF SITE IS IN:**

- ☐ A. KNOWN FAULT ZONE ☐ B. KARST ZONE ☒ C. 100 YEAR FLOOD PLAIN ☐ D. WETLAND
- ☐ E. A REGULATED FLOODWAY ☐ F. CRITICAL HABITAT ☐ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

*X	A. COVERED	*X	B. BEDROCK (specify below)	*X	C. OTHER (specify below)
X	1. SAND				
X	2. CLAY				
	3. GRAVEL				

XIII. SOIL PERMEABILITY

Silawa sandy loam (moderate), Frio silty clay (moderate to low), and urban land (unknown)

- ☒ A. UNKNOWN 10^{-3} to 10^{-4} cm/sec ☐ B. VERY HIGH (100,000 to 1000 cm/sec.) ☐ C. HIGH (1000 to 10 cm/sec.)
- ☒ D. MODERATE (10 to .1 cm/sec.) ☒ E. LOW (.1 to .001 cm/sec.) ☐ F. VERY LOW (.001 to .00001 cm/sec.)

G. RECHARGE AREA

Recharge to the outcrop of the minor Eagle Ford aquifer occurs

- ☒ 1. YES ☐ 2. NO 3. COMMENTS through direct infiltration of rainfall and seepage of streams.

H. DISCHARGE AREA

- ☐ 1. YES ☒ 2. NO 3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE 8-11% from topo. 2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC. East and southeasterly slopes

OTHER GEOLOGICAL DATA

The Eagle Ford Group, shale with thin limestone and sandstone beds, outcrops at the site along with some shallow fluvial deposits of the Trinity River. The Eagle Ford maintains about 200 feet of section beneath the site and is underlain by the Woodbine Group sand, sandstone and clay of Cretaceous age and from the Gulf Series like the Eagle Ford. The Woodbine has 300 feet of apparent thickness here.*

Continued From Front

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1 YES	2 NO	3. UN- KNOWN
None							

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☒ NONE ☐ YES (summarize in this space)

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition (Section II) information on the first page of this form.

RCRA 3012 SITE INSPECTION COMMENTS
CITY OF IRVING - SENTER PARK SITE
IRVING, TEXAS
TX01643

The inspector, Russell S. Dykes of Engineering-Science, Inc. arrived at the site at 9:50 A.M. on May 1, 1984. The site of the former landfill is a portion of the parkland surrounding the Senter Park senior citizens activity center. This parkland is wooded and lies on the eastern bank of Delaware Creek, a tributary of the West Fork of the Trinity River. Along the eastern boundary of the parkland/landfill are a number of homes on the western side of Delaware Street. These homes are all uphill of the former landfill. The inspector was accompanied on the inspection by Mr. Lawrence Baker, P.E. (Director, City of Irving Department of Environmental Affairs), Mr. Dill Waldroup (Sanitation Supervisor, City of Irving) and Mr. Pete Harman (employee, Sanitation Department, City of Irving). Mr. Harman was an employee of the City of Irving during the landfill's life (1948-1950) and pointed out the location of the former landfill. He stated that the site was used primarily for municipal garbage. Waste was placed in the landfill by trucks which backed up to the hillside and discharged their loads down the hill into the landfill. (The site of the landfill is a hillside adjacent to the eastern creek bank.) Mr. Harman also stated that the final cover of the landfill is approximately five feet of clay.

The landfill is surrounded on the north, west, and south by trees and on the east by the back yards of the aforementioned residences. The ground surface of the landfill site has no trees but is covered by a thick stand of grass. The surface slope of the ground over the old landfill is approximately 10 percent toward the west. No distressed vegetation or leachate springs were noted. No erosion was noted on or around the old landfill.

The City of Irving was in the process of lining the bottom and sides of the channel of Delaware Creek with reinforced concrete. The creek banks just at the toe of the old landfill were examined and, before it was stripped for construction, the slope was covered with vegetation. No evidence of leachate was noted.

Several photographs were taken depicting the landfill, the park area, and the improvements to the drainage channel of Delaware Creek.

No samples were collected due to the lack of obvious places to sample (no noticeable leachate, erosion, etc.).

There were no records available to determine the types or quantities of potentially hazardous wastes disposed of at the site. As stated above City of Irving personnel interviewed stated that almost all the wastes placed in the landfill were municipal garbage although some small amount of paint or paint wastes may have been placed in the landfill during its lifetime. Based upon the above and physical observation of the site and surroundings no hazard was associated with this site.

ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-3.

Corresponding
number on form

Additional Remark and/or Explanation

III. E. Waste generators used their own trucks to haul waste to disposal site.

XIII. J. A description of these units and the remaining stratigraphic sequence may be found in the attached table submitted to the TDWR Report 269, V. 1 of 1982. The Comanche Series of the Cretaceous in descending order consists of: the Washita Group of limestone, marl, and clay with about 370 feet of below-site section; the Fredericksburg Group of similar lithology, 120 feet; the Paluxy Formation of the Trinity Group; sand and shale with 140 feet of section; the Glen Rose Formation (limestone), 150 feet; and the Trinity Group Twin Mountains Formation of sand, shale clay & basal gravel with 425 to 450 feet of apparent thickness. This Cretaceous sequence is underlain by undifferentiated Paleozoic Rocks at 1600 to 1800 feet below the surface.

The Cretaceous System, Gulf and Comanche Series forms a wedge extending into the East Texas Basin structural feature. Regional dip east and slightly southeast in the site vicinity ranging from 15 to 40 feet per mile on average up to 300 feet of drop farther to the east. The Paleozoic sequence underlying this dips westward and northwestward at about 40 feet per mile, while the overlying Tertiary System beds dip regionally south-eastward at a rate of 100 feet per mile from the Mexia-Talco fault system located to the southeast of the site.

The major aquifers of use in the site area include the Woodbine, Paluxy Sand and Twin Mountains formations along with small supplies from the river alluvial deposits and the Eagle Ford.

Table 1.—Stratigraphic Units and Their Water-bearing Properties
Yield, in gallons per minute (gal/min); small, less than 100 gal/min; moderate, 100–1,000 gal/min; large, more than 1,000 gal/min.

Era	System	Series	Group	Stratigraphic units		Approximate maximum thickness (feet)	Character of rocks	Water-bearing characteristics		
Cenozoic	Quaternary	Recent		Alluvium		75	Sand, silt, clay and gravel.	Yields small to large amounts of water to wells along the Red River		
		Pleistocene		Fluvial terrace deposits						
	Tertiary	Eocene	Wilcox			100	Fine to medium sand with silt and clay	Yields small quantities of water to wells in the eastern part of the area		
		Paleocene	Midway			150	Gray, calcareous clay, in part silty to sandy	Do		
Mesozoic	Cretaceous	Gulf	Navarro	Kemp Clay Corsicana Marl		300	Fossiliferous clay and hard limy marl	Not known to yield water to wells in the area.		
				Nacatoch Sand		500	Fine sand and marl, fossiliferous	Yields small to moderate quantities of water near the outcrop		
			Taylor	Marlbrook Marl Pecan Gap Chalk Wolfe City - Ozan Formations		1,500	Clay, marl, mudstone, and chalk	Yields small quantities of water to shallow wells.		
			Austin	Gober Chalk Brownstown Marl Blossom Sand Bonham Formation		700	Chalk, limestone, and marl, fine to medium sand, fossiliferous	Yields small to moderate quantities of water to wells in the northeastern part of the area, very limited as an aquifer		
			Eagle Ford			650	Shale with thin beds of sandstone and limestone	Yields small quantities of water to shallow wells.		
			Woodbine			700	Medium to coarse iron sand, sandstone, clay and some lignite	Yields moderate to large quantities of water to municipal, industrial and irrigation wells.		
		Comanche	Washita	Grayson Marl - Mainstreet Limestone Pawpaw Formation - Weno Limestone - Denton Clay Fort Worth - Duck Creek Kiamichi Formation		1,000	Fossiliferous limestone, marl, and clay; some sand near top	Yields small quantities of water to shallow wells.		
			Fredericksburg	Edwards Limestone Comanche Peak Formation	Goodland Limestone	250	Limestone, clay, marl, shale, and shell agglomerates	Do.		
				Walnut Formation						
			Trinity	Antlers Formation	Paluxy Formation		900	400	Fine sand, sandy shale, and shale	Yields small to moderate quantities of water to wells.
					Glen Rose Formation			1,500	Limestone, marl, shale, and anhydrite	Yields small quantities of water in localized areas.
					Twin Mountains Formation			1,000	Fine to coarse sand, shale, clay, and basal gravel and conglomerate	Yields moderate to large quantities of water to wells.
Paleozoic				Paleozoic rocks undifferentiated			Sandstone, limestone, shale and conglomerate	Yields small quantities of water in the western part of the area.		

(Source: TDWR Report 269, V1, 1982)

LANDFILLS SITE INSPECTION REPORT
(Supplemental Report)

INSTRUCTION
Answer and Explain
as Necessary.

1. EVIDENCE OF SITE INSTABILITY (Erosion, Settling, Sink Holes, etc) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
2. EVIDENCE OF IMPROPER DISPOSAL OF BULK LIQUIDS, SEMI-SOLIDS AND SLUDGES INTO THE LANDFILL <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
3. CHECK RECORDS OF CELL LOCATION AND CONTENTS AND BENCHMARK <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO Records not kept	
4. WASTES SURROUNDED BY SORBENT MATERIAL <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
5. DIVERSION STRUCTURES ARE EFFECTIVELY CONSTRUCTED AND PROPERLY MAINTAINED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO concrete reinforcement of banks of Delaware Cr.	
6. EVIDENCE OF PONDING OF WATER ON SITE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
7. EVIDENCE OF IMPROPER/INADEQUATE DRAINING <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
8. ADEQUATE LEACHATE COLLECTION SYSTEM (If "Yes", specify Type) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO None apparent	
8a. SURFACE LEACHATE SPRING <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
9. RECORDS OF LEACHATE ANALYSIS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
10. GAS MONITORING <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
11. GROUNDWATER MONITORING WELLS <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
12. ARTIFICIAL MEMBRANE LINER INSTALLED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
13. SPECIFIC CONTAINMENT MEASURES (Clay Bottom, Sides, etc) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO -- landfill placed in naturally occurring clay soil	
14. FIXATION (Stabilization) OF WASTE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
15. ADEQUATE CLOSURE OF INACTIVE PORTION OF FACILITY <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
16. COVER (Type) <div style="text-align: center; font-size: 1.2em;">Soil - compacted</div>	
16a. THICKNESS <div style="text-align: center; font-size: 1.2em;">N 3-5'</div>	
16b. PERMEABILITY <div style="text-align: center; font-size: 1.2em;">Low</div>	
16c. DAILY APPLICATION <input type="checkbox"/> YES <input type="checkbox"/> NO <div style="text-align: center; font-size: 1.2em;">N/A</div>	

NATIONAL FLOOD INSURANCE PROGRAM

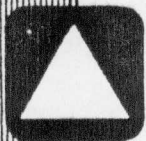
FIRM
FLOOD INSURANCE RATE MAP

CITY OF
IRVING, TEXAS
DALLAS COUNTY

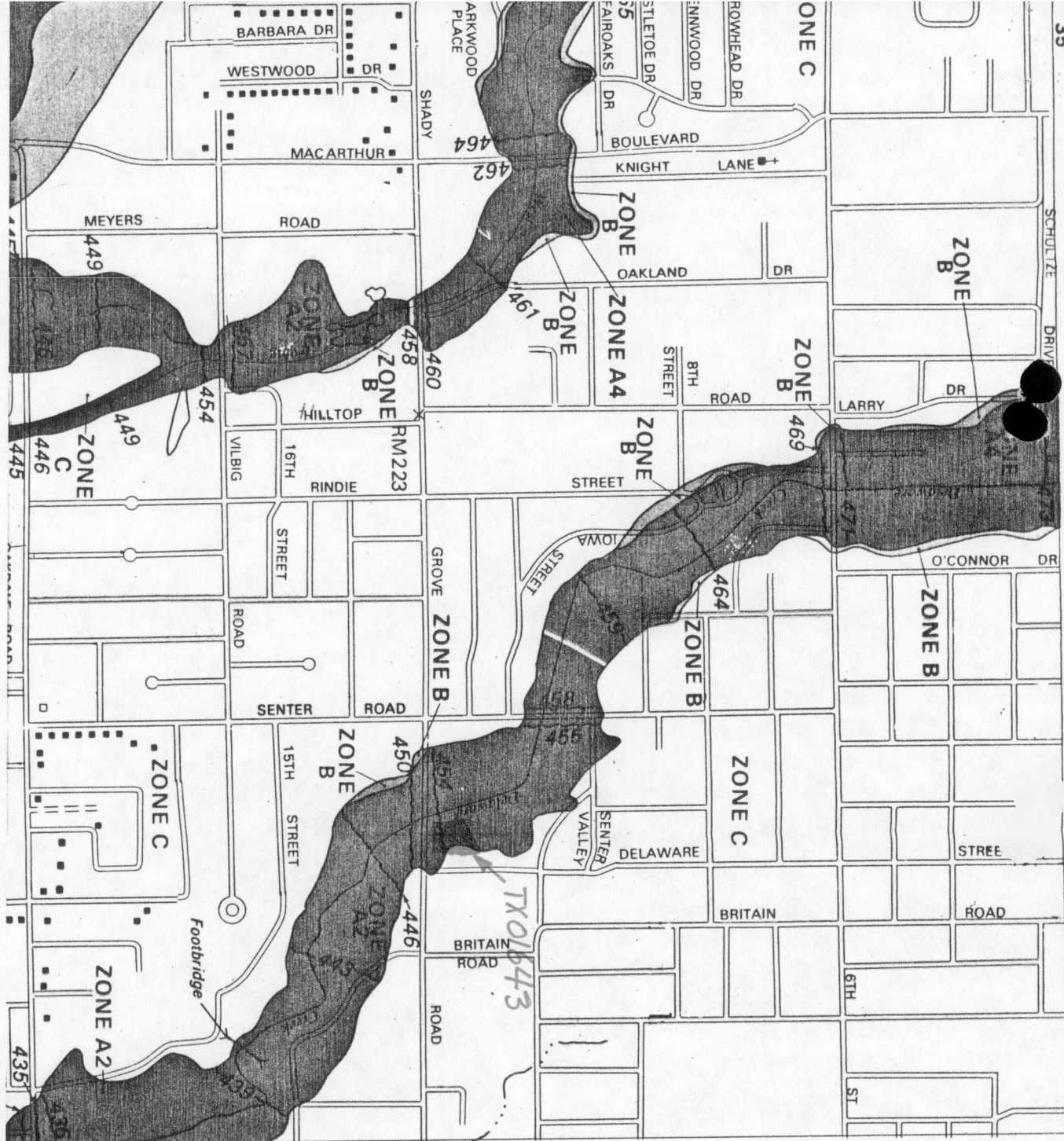
PANEL 45 OF 50

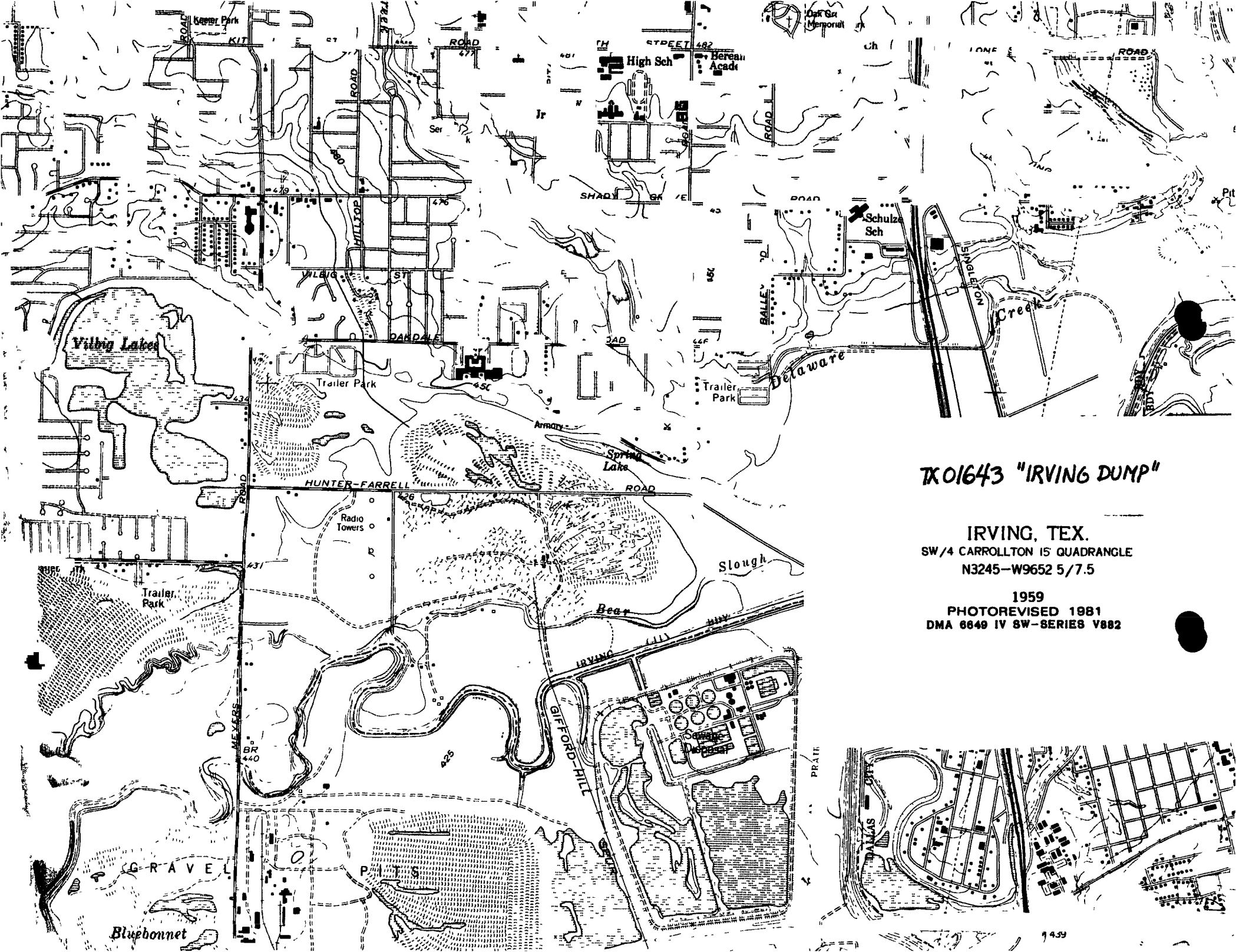
COMMUNITY-PANEL NUMBER
480180 0045 A

EFFECTIVE DATE:
NOVEMBER 19, 1980



federal emergency management agency
federal insurance administration

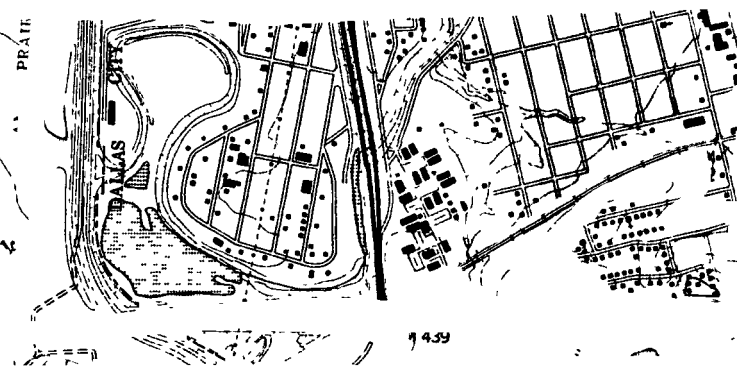




TX01643 "IRVING DUMP"

IRVING, TEX.
SW/4 CARROLLTON 15 QUADRANGLE
N3245-W9652 5/7.5

1959
PHOTOREVISED 1981
DMA 6649 IV SW-SERIES V882





Photographer / Witness

R.S. Dykes

Date / Time / Direction

(5/1/84) 0955 / S.S.W.

Comments: Improvements to channel
of Delaware Cr. looking downstream
to Shady Grove Rd.



Photographer / Witness

R.S. Dykes

Date / Time / Direction

(5/1/84) 0955 / NW

Comments: Improvements to channel
of Delaware Cr. looking upstream
to Senter St.



Photographer / Witness

R.S. Dykes

Date / Time / Direction

(5/1/84) 1000 / S.S.W.

Comments: Drainage channel through
center of park looking down-
stream.



Photographer / Witness

R.S. Dykes

Date / Time / Direction

(5/1/84) 1010 / South

Comments: Landfill site (bridge
over Delaware Cr. (Shady Grove
Rd) @ extreme right)



Photographer / Witness

R.S. Dykes

Date / Time / Direction

(5/1/84) 1010 / S.E.

Comments: Former landfill



Photographer / Witness

R.S. Dykes

Date / Time / Direction

(5/1/84) 1010 / East

Comments: Former landfill



Photographer / Witness

R.S. Dykes

Date / Time / Direction

(5/1/84) 1010 / E.N.E.

Comments: Former landfill

Photographer / Witness

Date / Time / Direction

Comments: _____

Photographer / Witness

Date / Time / Direction

Comments: _____

SHEET F-17
SCALE 1"=200'
PHOTO. FLOWN 3-25-79

SHADY GROVES

12th ST.

11th ST.

10th A

SEMPER RD.

APPROX. LOCATION
OF SITE NO. 1

2

